



PTO/SB/08A (08-03)

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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

Sheet 1 of 1

Complete if Known	
Application Number	10/540,861
Filing Date	June 27, 2005
First Named Inventor	Kangbin LEI
Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	ASA1N0165

**U. S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

Signature  Considered 8-11-07

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet

1

of

2

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Application Number	Unknown	107540861
Filing Date	June 27, 2005	
First Named Inventor	Kangbin LEI et al.	
Art Unit	Unknown	
Examiner Name	Unknown	
Attorney Docket Number	ASAIN0136	

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CVL	A	E.M. Saiki et al., "Numerical Simulation of a Cylinder in Uniform flow: Application of a Virtual Boundary Method", 1996, Journal of Computational Physics 123, pp. 450-465.	
	B	Yabe Takashi et al., 1999, "Solid-Liquid-Gas Unification Solving Method and CIP Method", Journal of Japan Society of Computational Fluid Dynamics, 7, pp 103-114.	
	C	T. Ye, et al., "A Cartesian Grid Method for Viscous Incompressible Flows with Complex Immersed Boundaries", University of Fla., 1999, AIAA-99-3312, pp. 547-557.	
	D	Akira NAKANO et al., "Numerical Simulation of Compressive... the Cartesian Grid System, Transactions of Japan Society of Mechanical Engineers, 1995, 61B-592, pp. 4319-4326.	
	E	Osamu ICHIKAWA et al., "Computation of the Flow Field... Using Cartesian Grid", Trans. of Japan Society of Mechanical Engineers, 68B-669, pp. 1329-1336.	
	F	BingHu PIAO et al., "Cartesian Grid Method for Incompressible Viscous Fluid Flow", 2000, Journ. of Japan Soc. of Fluid Mechanics, 19, pp. 37-46.	
	G	K. ONO et al., "An Application of Voxel Modeling Approach to Prediction of Engine Cooling Flow", Soc. of Automotive Engineers of Japan, Spring Convention, No. 984, pp. 165-168	
	H	http://kuwahara.isas.ac.jp/index.html.	
	I	S. TERAMOTO et al., "Flow Simulations around Three-Dimensional Objects Using a Cartesian Grid Method", 1998, Proc. of 12th Computational Fluid Dynamics Symposium, 299-300.	
	J	J.J. QUIRK, "An Alternative to Unstructured Grids for Computing Gas Dynamic Flows Around Arbitrarily Complex Two-Dimensional Bodies", Computers Fluids, 23, pp. 125-142.	

Examiner Signature

Date Considered

8/17/07

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Application Number

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June 27, 2005

First Named Inventor

Kangbin LEI et al.

Art Unit

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Examiner Name

Unknown

Attorney Docket Number

ASAIN0136

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
CVL	K	S.L. KARMAN, Jr., "SPLITFLOW: A 3D Unstructured Cartesian/Prismatic Grid, CFD Code for Complex Geometries", 1995, 33rd Aerospace Sciences Mtg. and Exh. AIAA 95-0343, pp 1-16.		T <sup>2</sup>
	L	C. W. HIRT et al., "Volume of Fluid (VOF) Method for the Dynamics of Free Boundaries", Journ. of Comput. Phys. 39, 1981, pp. 201-225.		
	M	C. W. HIRT et al., "Calculating Three-Dimensional Flows Around Structures and over Rough Terrain", Journ. Comput. Phys. 10, 1972, pp. 324-340.		
	N	Teshima KASE, "Volume Cad Development", Riken Symposium, Integrated Vol. CAD System Research, 1st Meeting, 2001, pp. 6-11.		
	O	I. TOYODA et al., "Analysis of Flow Around a Circular Cylinder Using Adaptive Cartesian Mesh Method", 13th Computational Fluid Dynamics Symposium, 1999, F03-1, CD-ROM.		
	P	H. Matsumiya et al., "Numerical Simulation of 2D Flow Around a Circular ...Finite-Difference Method", Trans. of Japan Soc. of Mech. Engineers, 1993, 59B-566, pp. 2937-2943.		
	Q	R. BOUARD et al., "The Early Stage of Development of the wake behind an impulsively started cylinder...", Journ. Fluid Mech., 1980, 101-3, pp. 583-607.		
	R	S. OKAMOTO et al., "Fluid Force Acting on Two-Dimensional Circular Cylinder in Lock-In Phenomenon", JSME International Journ., 2002, B45, No. 4, pp. 850-856.		
	S	N. KONDO, "Numerical Simulation for Aerodynamic Behaviors of a Circular Cylinder", 15th Computational Fluid Dynamics Symposium, 2001, E09-2, CD-ROM.		

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